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X-Sense XC01-WR

X-Sense XC01-WR Wireless Interconnected Carbon Monoxide Detector User Manual

Model: XC01-WR

1. Introduction

Thank you for purchasing the X-Sense XC01-WR Wireless Interconnected Carbon Monoxide Detector. This device is designed to provide reliable carbon monoxide detection and alert you to dangerous CO levels in your home. It features wireless interconnection, allowing multiple detectors to communicate and trigger all alarms simultaneously when one detects CO.
Key features include:

- **Wireless Interconnection:** Connects with other X-Sense Link+ detectors via radio frequency.
- **Reliable CO Detection:** Equipped with a Figaro electrochemical CO sensor for stable performance.
- **Long-Life Battery:** Replaceable sealed battery with a 5-year lifespan.
- **10-Year Sensor Life:** Ensures long-term protection.
- **Peak Value Memory:** Records the highest CO concentration detected.
- **EN 50291 Compliant:** Meets European safety standards.



The X-Sense XC01-WR Carbon Monoxide Detector is TÜV Rheinland certified and compliant with EN 50291 standards, ensuring high safety and performance.

2. Important Safety Information

WARNING: Carbon Monoxide (CO) is a colorless, odorless, and tasteless gas that can be fatal. This detector is designed to detect carbon monoxide gas from any source of combustion. It is not designed to detect smoke or fire.

- Install the detector in appropriate locations as specified in this manual.
- Test the detector weekly to ensure proper operation.
- Do not paint the detector. Paint can clog the openings and interfere with the sensor's ability to detect CO.
- Do not use cleaning agents or solvents on the detector.
- Replace the battery as soon as the low battery warning sounds.
- Never ignore a CO alarm. Investigate the cause and take appropriate action immediately.

3. Package Contents

Your X-Sense XC01-WR package includes:

- 1 x Carbon Monoxide Alarm
- 1 x Mounting Bracket
- 2 x Screws
- 2 x Anchor Plugs

- 1 x Battery (CR123A)
- 1 x User Manual

4. Setup and Installation

4.1 Battery Installation

1. Remove the mounting bracket from the back of the detector by twisting it counter-clockwise.
2. Insert the provided CR123A battery into the battery compartment, ensuring correct polarity (+ and -).
3. Reattach the mounting bracket by aligning it and twisting clockwise until it clicks into place.



Ensure the CR123A battery is inserted with correct polarity into the detector's battery compartment.

4.2 Choosing an Installation Location

For optimal protection, install CO detectors in every room that contains a fuel-burning appliance and in sleeping areas. Consider the following:

- Install at least 1.5 meters (5 feet) away from fuel-burning appliances.
- Install at least 0.3 meters (1 foot) from walls and corners if ceiling mounted.
- Avoid dead air spaces, such as the apex of a vaulted ceiling or gabled roofs.
- Do not install near vents, fans, or doors that could interfere with CO detection.
- Do not install in areas with extreme temperatures or high humidity.

4.3 Mounting the Detector

The XC01-WR can be installed on a wall or placed freestanding on a flat surface.

Wall Installation:

1. Choose a suitable location on a wall.
2. Mark the positions for the two screw holes using the mounting bracket as a template.
3. Drill holes and insert the anchor plugs.
4. Screw the mounting bracket to the wall.
5. Attach the detector to the mounting bracket by aligning it and twisting clockwise until it locks securely.

Freestanding Placement:

Simply place the detector on a stable, flat surface in the desired location. Ensure it is not easily knocked over and that its vents are unobstructed.



The X-Sense XC01-WR offers flexible installation, allowing it to be wall-mounted or placed freestanding on a surface.

4.4 Interconnecting Detectors

If you have multiple X-Sense Link+ detectors, you can interconnect them wirelessly. Multi-pack detectors are pre-interconnected. For custom networks or adding new detectors:

1. **To Disconnect:** Press the Test/Silence button 4 times quickly on the detector you wish to disconnect. It will beep once to confirm.
2. **To Interconnect:** On the detector you want to add to the network, press the Test/Silence button 2 times quickly. It will beep twice to confirm. Then, on an already interconnected detector, press its Test/Silence button 4 times quickly. All detectors should then confirm interconnection.



Follow the instructions to press the Test/Silence button 4 times or 2 times quickly to manage the interconnection of your X-Sense detectors.

5. Operating the Detector

5.1 Normal Operation

During normal operation, the green LED indicator will flash periodically, and the LCD screen will display '0 PPM' or the current CO concentration if any is detected.



The detector's front panel displays real-time CO levels in PPM and features LED indicators for power, alarm, and fault status.

5.2 Real-time CO Levels

The LCD screen provides real-time readings of carbon monoxide concentration in parts per million (PPM). This allows you to monitor the air quality and be aware of any rising CO levels.



Monitor carbon monoxide levels in real-time on the detector's digital display, showing concentrations from 30 PPM upwards.

5.3 Peak CO Level Memory

The detector stores the highest CO concentration detected since the last reset. To view the peak CO level, press the Test/Silence button once. The display will show the peak value. Press it again to return to real-time display.



The detector's peak memory function displays the highest CO concentration recorded, alerting you to past CO events.

5.4 Testing the Alarm

It is recommended to test your CO detector weekly. To test:

1. Press and hold the Test/Silence button for a few seconds.

2. The alarm will sound a loud siren, and the red LED will flash.
3. If interconnected, all other connected alarms will also sound.
4. Release the button. The alarm will stop.

5.5 Alarm Indication

When carbon monoxide is detected at dangerous levels, the detector will:

- Emit a loud alarm sound (85 dB at 3 meters).
- Flash the red LED indicator.
- Display the CO concentration on the LCD screen.
- If interconnected, all other X-Sense Link+ detectors in the network will also alarm simultaneously.



When one interconnected detector senses CO, all other alarms in the network will sound in unison, providing comprehensive home protection.



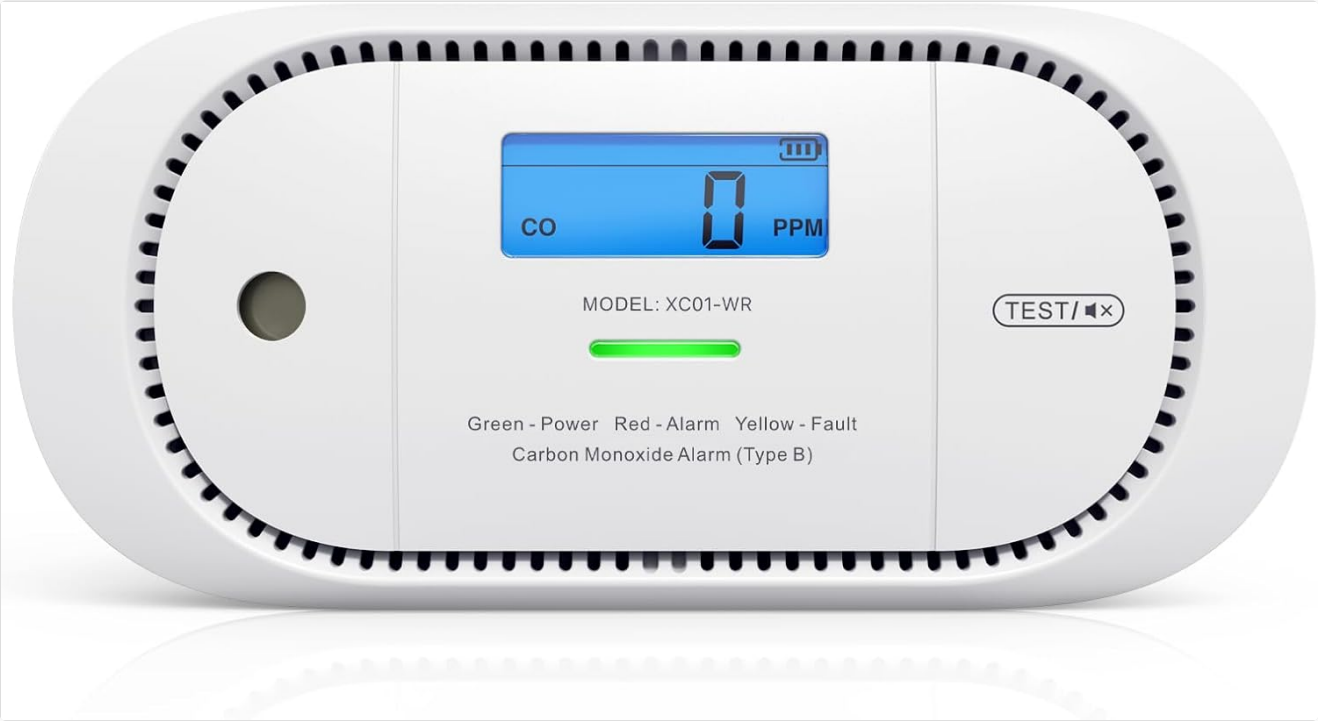
Create a personalized home security system by connecting up to 24 X-Sense Link+ devices for maximum coverage.

6. Maintenance

6.1 Battery Replacement

The detector uses a replaceable CR123A battery with a lifespan of approximately 5 years. When the battery is low, the detector will chirp periodically and the yellow LED will flash. Replace the battery immediately:

1. Twist the detector counter-clockwise to remove it from the mounting bracket.
2. Open the battery compartment.
3. Remove the old battery and dispose of it properly.
4. Insert a new CR123A battery, observing polarity.
5. Close the battery compartment and reattach the detector to the mounting bracket.
6. Test the alarm after battery replacement.



The detector is powered by a CR123A battery, providing up to 5 years of continuous protection and is easy to replace.

6.2 Sensor Life

The electrochemical CO sensor has a lifespan of 10 years. After 10 years, the detector will indicate its end-of-life, and the entire unit should be replaced.



The X-Sense XC01-WR features a high-quality sensor designed for a 10-year operational lifespan.

6.3 Cleaning Your Detector

Clean your detector at least once a month to remove dust and debris. Use a soft, damp cloth to wipe the exterior. Do not use cleaning solutions or spray directly onto the detector. Do not remove the cover or attempt to clean the interior.

7. Troubleshooting

Problem	Possible Cause	Solution
Detector chirps periodically, yellow LED flashes.	Low battery.	Replace the CR123A battery immediately.
Detector alarms (loud siren, red LED flashes).	High CO concentration detected.	Evacuate the premises, call emergency services, and do not re-enter until the area is cleared.
Detector does not respond to test button.	Battery not installed or dead; unit malfunction.	Check battery installation or replace battery. If issue persists, replace the unit.
Detector emits continuous short beeps, yellow LED flashes.	Faulty sensor or internal error.	The unit is faulty. Replace the detector immediately.
Interconnected alarms do not sound.	Interconnection issue.	Re-establish interconnection as per section 4.4. Ensure all units are within range.

8. Specifications

- **Model Number:** XC01-WR
- **Sensor Type:** Electrochemical
- **Power Source:** Battery (CR123A)
- **Battery Life:** 5 years
- **Sensor Life:** 10 years
- **Alarm Volume:** 85 dB at 3 meters
- **Product Dimensions:** 13.5P x 6.3W x 1.6H cm (5.3 x 2.5 x 0.6 inches)
- **Item Weight:** 87 Grams
- **Interconnection:** Wireless (RF)
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F)
- **Operating Humidity:** 30% to 90% RH (non-condensing)
- **Standards:** EN 50291



The compact design of the X-Sense XC01-WR detector makes it unobtrusive and easy to place in various locations.

9. Warranty and Support

X-Sense provides a warranty for this product. For detailed warranty information, please refer to the warranty card included with your product or visit the official X-Sense website. If you encounter any issues or have questions regarding your X-

Sense XC01-WR detector, please contact X-Sense customer support through their official channels.
Website: www.x-sense.com

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